SEQUENCE LISTING

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<120> IN VITRO TRANSCRIPTION ASSAY FOR T BOX ANTITERMINATION SYSTEM

<130> 22727-04130

<140> 10/617,979
<141> 2003-07-11

<150> 60/395,081
<151> 2002-07-11

<160> 37

<170> PatentIn Ver. 3.2

<210> 1
<211> 223
<212> RNA
<213> Bacillus subtilis

<400> 1
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uuagggcggu guaagcuaag gaugagcacg caacgaaagg cauucuugag caauuuuaaa 120
aaagaggcug ggauuuuguu cucagcaacu aggguggaac cgcgggagaa cucucguccc 180
uauguuugcg gcuggcaagc auagagacgg gaguuuuuug guu 223

<210> 2
<211> 274
<212> RNA
<213> Bacillus subtilis

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gauggccggu gaaaaucagc acagacggau auaucgaaua cacucaugaa ccgcuuuugc 120
aaacaaagcc ggccaggcuu ucaguaguga aagaacggac cugauccguu aucaggcaaa 180
gugauaagac gaauguuugc auucucuuau uaguagggug guaccgcgau aaucaaucgu 240
cccuucgugu aaacgaaggg gcguuuuuua uuuu 274

<210> 3
<211> 243
<212> DNA
<213> Bacillus subtilis

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gatggccggt gaaaatcagc acagacggat atatcgaata cactcatgaa ccgcttttgc 120
aaacaaagcc ggccaggctt tcagtagtga aagaacggac ctgatccgtt atcaggaaag 180

tgataagacg aatgtttgca ttctcttatt agtagggtgg taccgcgata atcaatcgtc 240
cct 243

<210> 4
<211> 174
<212> DNA
<213> Bacillus anthracis

<400> 4
attattaata taagtagcga tgacggactt ataagtactt gcacaaaaag cgattcaggg 60
atagtgaaag cctgaagccg caaggaaacg gcagtctcga gcaatacgtg ataaagtgga 120
tgcacctttt gtgtatcaac tagggtggaa ccgcgggcaa acgctcgtcc ctag 174

<210> 5
<211> 174
<212> DNA
<213> Bacillus cereus

<400> 5
attattaata taagtagcga tgacggactt ataagtactt gcacaaaaag cgattcaggg 60
atagtgaaag cctgaagccg caaggaaacg gcagtctcga gcaatacgtg ataaagtgga 120
tgcacctttt gtgtatcaac tagggtggaa ccgcgggcaa acgctcgtcc ctag 174

<210> 6
<211> 192
<212> DNA
<213> Bacillus halodurans

<400> 6
aatgttatat ttcaatgcta tgacggagaa cagtacttga ttccttttac ataaaagcga 60
acctaggatg gtgagagcta gggatgtaaa catcaaggaa ggcactcttg agcatgaacg 120
atgaaaagaa agtggcctat ggtgtcatca taggcaaata gggtggaacc gcgggttaac 180
tctcgtccct at 192

<210> 7
<211> 189
<212> DNA
<213> Bacillus stearothermophilus

<400> 7
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ccggggacgg tggaagcccg gcgaagatgg ttaatgaaac ggcagtccgg agcggaaatg 120
gcaaaaaggg gatgcgtgat ttgcgcatca actagggtgg aaccgcggga gctacgctct 180
cgtccctag 189

<210> 8
<211> 183
<212> DNA
<213> Bacillus subtilis

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cttagggcgg tgtaagctaa ggatgagcac gcaacgaaag gcattcttga gcaattttaa 120
aaaagaggct gggatttttgt tctcagcaac tagggtggaa ccgcgggaga actctcgtcc 180
cta 183

<210> 9
<211> 173
<212> DNA
<213> Clostridium acetobutylicum

<400> 9
ataatttaat atctatacaa tgacaaagat agaaattgta ttttcttcaa agagaggctg 60
tggagggtgt aaacggtcaa gaaaattcag tagtggagtc tttcgagtat ttttaaaaga 120
aaagcagggc tattgccaat aagggtggaa ccgcggaagt aatttcgtcc ctt 173

<210> 10
<211> 214
<212> DNA
<213> Carboxydothermus hydrogenoformans

<400> 10
aattaataat ggattggcag tgaaccggag gagtagctgt gatttccctt aaagagagcc 60
gggggctggt gtgaaccggt agggataaac ggtgaaggcg ccggggagcc ggcaggagga 120
aaccccaagg ggagtaaagc ctgcagagtt ttgaggtggg ccttttttgg ccaaccaggg 180
tggaaccgcg gaaggatgcc cctttcgtcc ctgg 214

<210> 11
<211> 176
<212> DNA
<213> Deinococcus radiodurans

<400> 11
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agagtcaggc agggtgaggc gcgacgggaa aggcagcggg gagccacaac cggtctgaaa 120
ggtgctggcg agggccagaa ctggggtgga accgcgcatg tcccgtgcgt ccccgg 176

<210> 12
<211> 177
<212> DNA
<213> Enterococcus faecalis

<400> 12
gagaagttaa atacgtacga agaaaaagag aagtaaaaag aaccctctgt taagcgaatc 60
tgggagagtg ggagccagaa acacggaact tttgaaaggc actttggagt acgacaaacg 120
aagctgccga tgaacacatc ggaagtaggg tggaaccgcg ataattattc gtcccta 177

<210> 13
<211> 151
<212> DNA
<213> Lactococcus lactis

<400> 13
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agttcgagaa caataatggc ttaacttaaa actgtaatga acacaaataa agtaaaaaat 120
aaaggtggaa ccgtgcattt gcacccttttg t 151

<210> 14
<211> 184
<212> DNA
<213> Listeria monocytogenes

<400> 14
atatcaacta ataggtacgt tgaaggaaaa tagtaacaaa aagctctatt tttagcgagt 60
ccgggtttgg tgtgagccgg atatttaact tttttgtgaa ggcgttctgg agtacagcga 120
aatcaaggtg ggaattgttt taattccaaa tagggtggaa ccgcgagcta actctcgtcc 180
ctat 184

<210> 15
<211> 164
<212> DNA
<213> Staphylococcus aureus

<400> 15
atgtcacaaa cacattaatt ttacttgcct ttaaataatc tatcaattgt acagcgagtt 60
aaggatagtg taagcttaac aataagattg gcgcaacgaa tcattttaaa ataaaagcga 120
gtgactacac taatttgggt ggaaccgcgg gttaactcgt ccca 164

<210> 16
<211> 207
<212> DNA
<213> Streptococcus equi

<400> 16
tttgtgataa actaaccaat aggaaagaaa atagcaggtt tctgatctaa agcgagctcg 60
gggctggtga gagccgagtg atggtactgc tggttggcgc tttctctaaa gagtaggctc 120
aggtgtttgt agcttgcttg acatctgttt atcaacaaga tcaaatgaag taataaatta 180
gggtggaacc gcgttttgac gccccta 207

<210> 17
<211> 163
<212> DNA
<213> Streptococcus mutans

<400> 17
gttaagaaag agagttttgt ggcgtttctg cagcgaacct gagagagtgt aagtcaggtg 60
aaacaaaata aaggactggc actttctctt ggctaatagc caagctaaca atcagataaa 120

tgaagtaata aattagggtg gaaccgcgtt tcaaacgccc cta 163

<210> 18
<211> 168
<212> DNA
<213> Streptococcus pneumoniae

<400> 18
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gatagtggga gccaagtagg gcaaaataaa gggctggcgc tttctgtagt attttcaaaa 120
acaatgaagt aataaattag ggtggaaccg cgtttctgac gcccctag 168

<210> 19
<211> 205
<212> DNA
<213> Streptococcus pyogenes

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ggggtagtta gagccgaatg gtaggactgc agattggcgc ttccgtttgg gcagtgtgat 120
taagtatatt tgtcaatatt gcccaaaaag atactatata aatgaagtaa taaattaggg 180
tggaaccgcg ttttgacgcc cctag 205

<210> 20
<211> 51
<212> DNA
<213> Bacillus subtilis

<400> 20
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<210> 21
<211> 438
<212> DNA
<213> Bacillus subtilis

<400> 21
attgatttat attacgaaga atattcggga ttgtatttaa aatcaaagcg ctttttagat 60
caaatggaaa gcatgaaaca tcttatgggt gaaaacaaaa gttgacattt ggtccatctt 120
tttatatgat catttattat taaatatgtt gcagtgagag aaagaagtac ttgcgtttac 180
ctcatgaaag cgaccttagg gcggtgtaag ctaaggatga gcacgcaacg aaaggcattc 240
ttgagcaatt ttaaaaaaga ggctgggatt ttgttctcag caactagggt ggaaccgcgg 300
gagaactctc gtccctatgt ttgcggctgg caagcataga gacgggagtt ttttggttgc 360
tgccgcagtc aacttatgaa agaaaagtgg aggtgcttga aatgaatatt caagacatga 420
ttctaacctt gcaaaagc 438

<210> 22
<211> 438
<212> DNA
<213> Bacillus subtilis

<400> 22
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caaatggaaa gcatgaaaca tcttatgggt gaaaacaaaa gttgacattt ggtccatctt 120
tttatatgat catttattat aaaatatgtt gcagtgagag aaagaagtac ttgcgtttac 180
ctcatgaaag cgaccttagg gcggtgtaag ctaaggatga gcacgcaacg aaaggcattc 240
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gagaactctc gtccctatgt ttgcggctgg caagcataga gacgggagtt ttttggttgc 360
tgccgcagtc aacttatgaa agaaaagtgg aggtgcttga aatgaatatt caagacatga 420
ttctaacctt gcaaaagc 438

<210> 23
<211> 75
<212> DNA
<213> Bacillus subtilis

<400> 23
gcggaagtag ttcagtggta gaacaccacc ttgccaaggt gggggtcgcg ggttcgaatc 60
ccgtcttccg ctcca 75

<210> 24
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic primer

<400> 24
attgatctag attacgaaga atattcggga ttgta 35

<210> 25
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic primer

<400> 25
gggtatttaa ttaagctttt gcaaggttag aatca 35

<210> 26
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic primer

<400> 26
ggctggggat ccgtcaacaa tggagg 26

<210> 27
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic primer

<400> 27
ccgcggaagg ataaagcttc aagtaag 27

<210> 28
<211> 407
<212> DNA
<213> Bacillus subtilis

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ggctggagat ctgtcaacaa tggaggatta aaaggcggcg ttgacacagg attttattta 60
tgttaaaaat gatatagctt catatgaaaa ggtaaagatt gagacaagta gaatatcctt 120
acgttccaga gagctgatgg ccggtgaaaa tcagcacaga cggatatatc gaatacactc 180
atgaaccgct tttgcaaaca aagccggcca ggctttcagt agtgaaagaa cggacctgat 240
ccgttatcag gcaaagtgat aagacgaatg tttgcattct cttattagta gggtggtacc 300
gcgataatca atcgtccctt cgtgtaaacg aaggggcgtt ttttatttta attaaaaaag 360
gagctttatc ttatgactaa cttacttgaa gacttatcct tccgcgg 407

<210> 29
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 29
ggctggggat ccgtcaacaa tggagg 26

<210> 30
<211> 27
<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 30
ccgcggaagg ataaagcttc aagtaag 27

<210> 31
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 31
taatacgact cactatagga ggggtagcg 29

<210> 32
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 32
ggaggggtag cg 12

<210> 33
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 33
tggtggaggg gggcagattc g 21

<210> 34
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 34
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<210> 35
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 35
gcggaagtag ttcagtgg 18

<210> 36
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

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tggagcggaa gacgggattc gaac 24

<210> 37
<211> 85
<212> DNA
<213> Bacillus subtilis

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agttcgaatc tgccccctc cacca 85